

1 DERWENT-ACC-NO: 2001-160665

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3 DERWENT-WEEK: 200117

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7 TITLE: Cylinder container tank is formed by a mantle of a wound  
8 spiral strip where the edges are bent out at the butt  
9 line to be welded together at the joint for stability  
10 without germ contamination  
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12 INVENTOR: BACHHOFFER B

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14 PATENT-ASSIGNEE: HYDRO ELEK GMBH[HYDRN]

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16 PRIORITY-DATA: 1999DE-1039180 (August 20, 1999)

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18 PATENT-FAMILY:

19 PUB-NO	PUB-DATE	LANGUAGE
20 DE 19939180 A1	February 22, 2001	DE

21  
22 APPLICATION-DATA:

23 PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
24 DE 19939180A1	N/A	1999DE-1039180	August 20, 1999

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26  
27 INT-CL-CURRENT:

28 TYPE	IPC	DATE
29 CIPS	B21C37/12	20060101
30 CIPS	B21D51/18	20060101
31 CIPS	E04H7/06	20060101
32 CIPS	E04H7/30	20060101

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34  
35 ABSTRACTED-PUB-NO: DE 19939180 A1

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37 BASIC-ABSTRACT:

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39 NOVELTY - The cylindrical container tank has a mantle which is at least  
40 partially of a sheet strip, wound in a spiral so that the side edge zones lie  
41 on a spiral butting line. The edge zones (20,21) of the sheet strip (3) are  
42 angled out to one side at the butting line (24), to be welded together at the  
43 butt. One edge (21) can be longer than the other edge (20), to be bent around  
44 the joint to form an outer edge (25).

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46 USE - The cylindrical container tank is for use in applications such as silos,

communal and industrial sewage treatment, in agriculture, and the like.

ADVANTAGE - The cylinder tank structure is stable, with a comparable performance to cylinder tanks used in the drinking water and beverage industries, with no contamination by germs, etc.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic section of the cylinder mantle joint.

wound sheet strip (3)

strip edges (20,21)

edge butt (24)

bent outer edge (25)

CHOSEN-DRAWING: Dwg.3b/4

TITLE-TERMS: CYLINDER CONTAINER TANK FORMING MANTLE WOUND  
SPIRAL STRIP EDGE

BEND BUTT LINE WELD JOINT STABILISED GERM CONTAMINATE

DERWENT-CLASS: P52 Q34 Q46

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: 2001-117064